EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(2002/0172967).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L2	0	(2002/00172967).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L3	2	("20020172967").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L4	2	("5700811").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L5	2	("5369108").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ÖFF	2006/12/27 11:36
L6	. 2	("6087367").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L7	135	(562/622).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L8	510	(514/575).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/27 11:36
L9	38	L7 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR .	ON	2006/12/27 11:36
L10	19358	benzamide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/27 11:36
L11	607	L7 or L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/27 11:36

EAST Search History

L12	102	L10 and L11	US-PGPUB;	OR	ON	2006/12/27 11:36
			USPAT; EPO; JPO;			
			DERWENT			

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         AUG 30
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      6
         SEP 11
                 CA/CAplus fields enhanced with simultaneous left and right
NEWS
    . 7
         SEP 21
                 truncation
                 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS
      8
         SEP 25
                 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 9
         SEP 25
                 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
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         SEP 25
                 CEABA-VTB classification code fields reloaded with new
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         OCT 23
                 has been enhanced and reloaded
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         NOV 03
         NOV 10
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                 STN Express with Discover! free maintenance release Version
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         NOV 10
                 8.01c now available
                 CAS Registry Number crossover limit increased to 300,000 in
         NOV 20
NEWS 21
                 additional databases
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         NOV 20
                 CA/CAplus to MARPAT accession number crossover limit increased
                 to 50,000
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NEWS 23
         DEC 01
         DEC 11
                 CAS REGISTRY chemical nomenclature enhanced
NEWS 24
         DEC 14
                 WPIDS/WPINDEX/WPIX manual codes updated
NEWS 25
                 GBFULL and FRFULL enhanced with IPC 8 features and
NEWS 26
         DEC 14
                  functionality
                 CA/CAplus pre-1967 chemical substance index entries enhanced
         DEC 18
NEWS 27
                 with preparation role
                 CA/CAplus patent kind codes updated
NEWS 28
         DEC 18
                 MARPAT to CA/CAplus accession number crossover limit increased
NEWS 29
         DEC 18
                  to 50,000
                 MEDLINE updated in preparation for 2007 reload
         DEC 18
NEWS 30
              NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
```

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=> Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10595124\10595124 clm 1 genus complete.str

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chain nodes :
7 8 9 10 11 12 13 14 15 16 17 18 19 27 29 31 48 49
ring nodes:
1 2 3 4 5 6 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
chain bonds :
2-31 5-7 7-8 8-9 8-11 9-10 9-12 13-14 13-27 14-17 15-16 15-18 16-29
31-54 43-49 44-48
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 32-33 32-37 32-40 33-34 34-35 34-38 35-36
36-37 36-41 38-39 39-40 39-41 42-43 42-47 43-44 44-45 45-46 46-47
exact/norm bonds :
2-31 8-9 8-11 9-10 13-14 13-27 14-17 15-16 15-18 16-29 31-54 32-33
32-37 32-40 33-34 34-35 34-38 35-36 36-37 36-41 38-39 39-40 39-41 43-49
44 - 48
exact bonds :
5-7 7-8 9-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 42-43 42-47 43-44 44-45 45-46 46-47
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G1:H,[*1]

G2: [*2-*3], [*4-*5]

G3:[*6],[*7]

Hydrogen count :

42:>= minimum 1 45:>= minimum 1 47:>= minimum 1

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 27:CLASS 29:CLASS 31:CLASS 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:CLASS 49:CLASS 54:CLASS Element Count:
Node 19: Limited

C,C1-2

L1STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1

STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT * Structure attributes must be viewed using STN Express query preparation.

=> d 11

L1 HAS NO ANSWERS

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT * Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 07:54:11 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 902 TO ITERATE

100.0% PROCESSED

902 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

16239 TO 19841

PROJECTED ANSWERS:

1 TO

1 SEA SSS SAM L1 L2

=> d scan

REGISTRY COPYRIGHT 2006 ACS on STN 1 ANSWERS

Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-3,4-dimethyl- (9CI)

C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY SESSION 0.88 1.09

FULL ESTIMATED COST

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=> 12

L3 1 L2

=> d 13 ti fbib abs

- L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Preparation of arylhydroxamates as elastase and collagenase expression inhibitors for preventing skin aging.
- AN 2005:182616 CAPLUS
- DN 142:279954
- TI Preparation of arythydroxamates as elastase and collagenase expression inhibitors for preventing skin aging.
- IN Rho, Ho Sik; Baek, Heung Soo; Kim, Su Jong; Kim, Su Nam; Chae, Byung Geun; Lee, Byoung Seok; Kim, Bae Hwan; Choi, Gyu Ho; Son, Eui Dong; Lee, Hae Kwang; Lee, Hye Won; Cho, Jun-cheol; Kim, Duck Hee; Chang, Ih Seop; Lee, Ok Sub
- PA Amorepacific Corporation, S. Korea
- SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

r Auv.	PATENT	NO.			KIND DATE			APPLICATION NO.					DATE				
•																	
ΡI	WO 2005019162		A1 20050303		1	WO 2004-KR2143					20040826						
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
		CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	ΚZ,	LC,	LK,
		LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NΙ,	NO,
		ΝZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	ТJ,
		TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW	
	RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	ΜZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
		ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM,	ΑT,	ΒE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,
		SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,
		SN,	TD,	TG													

KR EP	2006005892 1660437 R: FR	A A1	20060118 20060531	KR KR KR	2003-59177 2004-20401 2004-54886 2004-54886 2004-774404	A A A	20030826 20040325 20040714 20040714 20040826
				KR	2003-59177	·A	20030826
				KR	2004-20401	Α	20040325
				KR	2004-54886	Α	20040714
•				WO	2004-KR2143	W ·	20040826
CN	1839115	Α	20060927	CN	2004-80024139		20040826
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•				KR	2004-20401	Α	20040325
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US	2006252834	A1	20061109	US	2006-595124		20060615
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				KR	2004-20401	Α	20040325
				KR	2004-54886	Α	20040714
	•			WO	2004-KR2143	W	20040826

OS MARPAT 142:279954

$$\mathbb{R}^{3} \stackrel{\mathbb{N}}{\underset{0}{\bigvee}} 0 = \mathbb{R}^{5}$$

$$\mathbb{I} \qquad \mathbb{R}^{6}$$

Title compds. [I; R1 = adamantyl, Q1; R5, R6 = H, alkyl, cycloalkyl; R2 = CONH, NHCO, CONR7, NR7CO; R7 = alkyl; R3 = (CH)n; n = 0, 1; R4 = H, alkyl], were prepared Thus, 4-(phenylcarbonylamino)benzoic acid (preparation given) in pyridine at 10° was treated dropwise with Et chloroformate followed by stirring for 2 h at room temperature to give the anhydride. This was added to NH2OH.HCl in pyridine at 10° followed by stirring for 30 min. to give 65% N-[4-(N-hydroxycarbamoyl)phenyl]benzam ide. The latter reduced collagenase expression in vitro to 78% of controls, vs. 85% for retinol.

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L1 STRUCTURE UPLOADED

L2 1 SEARCH L1 SSS SAM

FILE 'CAPLUS' ENTERED AT 07:54:30 ON 27 DEC 2006 L3 1 L2

FILE 'REGISTRY' ENTERED AT 07:55:14 ON 27 DEC 2006

=> search l1 sss full FULL SEARCH INITIATED 07:56:49 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 18609 TO ITERATE

100.0% PROCESSED 18609 ITERATIONS SEARCH TIME: 00.00.01

35 ANSWERS

L4 35 SEA SSS FUL L1

=> d scan

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N'-hydroxy-N-methyl-N-(4-methylphenyl)- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):35

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzeneacetamide, 4-(benzoylamino)-N-hydroxy- (9CI)

MF C15 H14 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-(benzoylamino)-N-hydroxy- (9CI)

MF C14 H12 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-(4-ethylphenyl)-N'-hydroxy-N-methyl- (9CI)

MF C17 H18 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzeneacetamide, 4-[(4-ethylbenzoyl)amino]-N-hydroxy- (9CI)

MF C17 H18 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-[(4-ethylbenzoyl)amino]-N-hydroxy- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N'-hydroxy-N-methyl-N-tricyclo[3.3.1.13,7]dec-1-

yl- (9CI)

MF C19 H24 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Tricyclo[3.3.1.13,7]decane-1-carboxamide, N-[4-[2-(hydroxyamino)-2-

oxoethyl]phenyl]- (9CI)

MF C19 H24 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Tricyclo[3.3.1.13,7]decane-1-carboxamide, N-[4-

[(hydroxyamino)carbonyl]phenyl]- (9CI)

MF C18 H22 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-[(4-cyanobenzoyl)amino]-N-hydroxy- (9CI)

MF C15 H11 N3 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-hydroxy-N'-(3-methylphenyl)- (9CI)

MF C15 H14 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-N,4-dimethyl- (9CI)

MF C16 H16 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-cyano-N-[4-[(hydroxyamino)carbonyl]phenyl]-N-methyl- (9CI)

MF C16 H13 N3 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-(3,4-dimethylphenyl)-N'-hydroxy- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-ethyl-N-[4-[(hydroxyamino)carbonyl]phenyl]-N-methyl- (9CI)

MF C17 H18 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-hydroxy-N'-phenyl- (9CI)

MF C14 H12 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N'-hydroxy-N-methyl-N-phenyl- (9CI)

MF C15 H14 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Tricyclo[3.3.1.13,7]decane-1-carboxamide, N-[4-

[(hydroxyamino)carbonyl]phenyl]-N-methyl- (9CI)

MF C19 H24 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzeneacetamide, N-hydroxy-4-[(4-methylbenzoyl)amino]- (9CI)

MF C16 H16 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N'-hydroxy-N-methyl-N-(3-methylphenyl)- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzeneacetamide, N-hydroxy-4-[(3-methylbenzoyl)amino]- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-3-methyl- (9CI)

MF C15 H14 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

1,4-Benzenedicarboxamide, N-(3,4-dimethylphenyl)-N'-hydroxy-N-methyl(9CI)

MF C17 H18 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzeneacetamide, 4-[(3,4-dimethylbenzoyl)amino]-N-hydroxy- (9CI)

MF C17 H18 N2 O3

$$\begin{array}{c|c} O & Me \\ HO-NH-C-CH_2 & O \\ \hline NH-C & NH-C \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-3,4-dimethyl- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-4-(trifluoromethyl)- (9CI)

MF C15 H11 F3 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-hydroxy-N'-(4-methylphenyl)- (9CI)

MF C15 H14 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, 4-(benzoylmethylamino)-N-hydroxy- (9CI)

MF C15 H14 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzoic acid, 4-[[[4-[(hydroxyamino)carbonyl]phenyl]amino]carbonyl]- (9CI)

MF C15 H12 N2 O5

HO₂C
$$O$$
 C NH C

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-(4-ethylphenyl)-N'-hydroxy- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-N,3-dimethyl- (9CI)

MF C16 H16 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

MF C16 H14 N2 O5

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1,4-Benzenedicarboxamide, N-hydroxy-N'-tricyclo[3.3.1.13,7]dec-1-yl- (9CI)

MF C18 H22 N2 O3

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-N,3,4-trimethyl- (9CI)

MF C17 H18 N2 O3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 35 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzamide, N-[4-[(hydroxyamino)carbonyl]phenyl]-4-methyl- (9CI)

MF C15 H14 N2 O3

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L5 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Hydroxamic acid derivative histone deacetylase inhibitors, and their

therapeutic use AN 2006:333299 CAPLUS DN 144:343645 Hydroxamic acid derivative histone deacetylase inhibitors, and their ΤI therapeutic use Chakravarty, Prasun K.; Kuo, Howard; Matthews, Jay M.; Meinke, Peter T. IN PA Merck & Co., Inc., USA PCT Int. Appl., 46 pp. SO CODEN: PIXXD2 DTPatent LА English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ____ _____ -**-**----______ _____ WO 2005-US24512 20060216 PI WO 2006017214 A2 20050708 A3 WO 2006017214 20060601 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM US 2004-587233P P 20040712 OS MARPAT 144:343645 The invention discloses hydroxamic acid derivs. that are inhibitors of AΒ histone deacetylase. The compds. are useful for treating cellular proliferative diseases, including cancer. Further, the compds. are useful for treating neurodegenerative diseases, schizophrenia, and stroke, among other diseases. The compds. also have antiprotozoal properties. Compound preparation is included. ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN L5 Structure-Based Optimization of Phenylbutyrate-Derived Histone Deacetylase ΤI Inhibitors AN 2005:604284 CAPLUS 143:259486 DN Structure-Based Optimization of Phenylbutyrate-Derived Histone Deacetylase ΤI Inhibitors Lu, Qiang; Wang, Da-Sheng; Chen, Chang-Shi; Hu, Yuan-Dong; Chen, ΑU Ching-Shih Division of Medicinal Chemistry, College of Pharmacy, The Ohio State CS University, Columbus, OH, 43210, USA SO Journal of Medicinal Chemistry (2005), 48(17), 5530-5535 CODEN: JMCMAR; ISSN: 0022-2623 PB American Chemical Society DΤ Journal LА English Previously, the authors developed a strategy to develop a novel class of AB histone deacetylase (HDAC) inhibitors by tethering short-chain fatty acids with Zn2+-chelating motifs, which led to N-hydroxy-4-(4-phenylbutyryl-

Previously, the authors developed a strategy to develop a novel class of histone deacetylase (HDAC) inhibitors by tethering short-chain fatty acids with Zn2+-chelating motifs, which led to N-hydroxy-4-(4-phenylbutyryl-amino)benzamide (HTPB), a hydroxamate-tethered phenylbutyrate derivative with sub-micromolar potency in inhibiting HDAC activity and cancer cell proliferation. In this study, the authors carried out structure-based optimization of HTPB by using the framework generated by the structure of histone deacetylase-like protein (HDLP)-trichostatin A (TSA) complexes. Docking of HTPB into the HDLP binding domain suggested that the hydrophobic microenvironment encompassed by Phe-198 and Phe-200 could be

exploited for structural optimization. This premise was corroborated by the greater potency of (S)-(+)-N-hydroxy-4-(3-methyl-2-phenylbutyrylamino)-benzamide [(S)-11] (IC50 in HDAC inhibition, 16 nM), of which the iso-Pr moiety was favorable in interacting with this hydrophobic motif. (S)-11 at concns. as low as 0.1 μM was effective in causing histone hyperacetylation and p21WAF/CIP1 overexpression and suppressing proliferation in cancer cells.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L5 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Zn2+-chelating motif-tethered short-chain fatty acids as a novel class of histone deacetylase inhibitors and their use as anticancer agents
- AN 2005:540452 CAPLUS
- DN 143:55641
- TI Zn2+-chelating motif-tethered short-chain fatty acids as a novel class of histone deacetylase inhibitors and their use as anticancer agents
- IN Chen, Ching-Shih; Qiang, Lu
- PA The Ohio State University Research Foundation, USA
- SO PCT Int. Appl., 90 pp. CODEN: PIXXD2
- DT Patent
- LA English
- FAN.CNT 1

ran.	PATENT NO.	KIND DATE	APPLICATION NO.	DATE		
PI	WO 2005055928 WO 2005055928	A2 20050623 A3 20051006	WO 2004-US40211	20041201		
	CN, CO, CF GE, GH, GN LK, LR, LS	R, CU, CZ, DE, DK, I, HR, HU, ID, IL, I, LT, LU, LV, MA,	BA, BB, BG, BR, BW, BY, DM, DZ, EC, EE, EG, ES, IN, IS, JP, KE, KG, KP, MD, MG, MK, MN, MW, MX, RO, RU, SC, SD, SE, SG,	FI, GB, GD, KR, KZ, LC, MZ, NA, NI,		
	TJ, TM, TM RW: BW, GH, GN AZ, BY, KO EE, ES, FI	I, TR, TT, TZ, UA, I, KE, LS, MW, MZ, G, KZ, MD, RU, TJ, FR, GB, GR, HU, K, SK, TR, BF, BJ,	UG, US, UZ, VC, VN, YU, NA, SD, SL, SZ, TZ, UG, TM, AT, BE, BG, CH, CY, IE, IS, IT, LT, LU, MC, CF, CG, CI, CM, GA, GN,	ZA, ZM, ZW ZM, ZW, AM, CZ, DE, DK, NL, PL, PT,		
		A1 20050623	US 2003-526348P	P 20031202 20041201 P 20031202		
	CA 2552279	A1 20050623	WO 2004-US40211 CA 2004-2552279 US 2003-526348P WO 2004-US40211	W 20041201 20041201 P 20031202 W 20041201		
				20041201 , SE, MC, PT,		

- OS MARPAT 143:55641
- AB The invention relates to histone deacetylase (HDAC) inhibitors including Zn2+-chelating motifs, based on short-chain fatty acids. Preparation of the HDAC inhibitors is described. Some of the HDAC inhibitors displayed antiproliferative activities at sub-µM concns. and can be used as anticancer agents. The compds. performed well in in vitro and in vivo tests.
- L5 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Preparation of arythydroxamates as elastase and collagenase expression inhibitors for preventing skin aging.
- AN 2005:182616 CAPLUS

DN 142:279954

TI Preparation of arythydroxamates as elastase and collagenase expression inhibitors for preventing skin aging.

IN Rho, Ho Sik; Baek, Heung Soo; Kim, Su Jong; Kim, Su Nam; Chae, Byung Geun; Lee, Byoung Seok; Kim, Bae Hwan; Choi, Gyu Ho; Son, Eui Dong; Lee, Hae Kwang; Lee, Hye Won; Cho, Jun-cheol; Kim, Duck Hee; Chang, Ih Seop; Lee, Ok Sub

PA Amorepacific Corporation, S. Korea

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent LA English

FAN.CNT 1

GI

ran.	PATENT NO.	KIND DATE	APPLICATION NO.	DATE
ΡI	WO 2005019162		WO 2004-KR2143	20040826
	W: AE, AG, AI	, AM, AT, AU, AZ,	BA, BB, BG, BR, BW, B	Y, BZ, CA, CH,
			DM, DZ, EC, EE, EG, E	
	GE, GH, GN	i, HR, HU, ID, IL	IN, IS, JP, KE, KG, K	P, KZ, LC, LK,
	LR, LS, LT	C, LU, LV, MA, MD	MG, MK, MN, MW, MX, M	Z, NA, NI, NO,
	NZ, OM, PO	G, PH, PL, PT, RO	RU, SC, SD, SE, SG, S	K, SL, SY, TJ,
	TM, TN, TF	R, TT, TZ, UA, UG	US, UZ, VC, VN, YU, Z	A, ZM, ZW
			NA, SD, SL, SZ, TZ, U	
			TM, AT, BE, BG, CH, C	
			IE, IT, LU, MC, NL, P	
			CI, CM, GA, GN, GQ, G	W, ML, MR, NE,
	SN, TD, TO	3	KR 2003-59177	A 20030826
•			KR 2004-20401	A 20040325
			KR 2004-54886	A 20040714
	KR 2006005892	A 2006011	KR 2004-54886	20040714
	EP 1660437	A1 2006053	EP 2004-774404	20040826
	R: FR			
			KR 2003-59177	
			KR 2004-20401	A 20040325
			KR 2004-54886	A 20040714
			WO 2004-KR2143	W · 20040826
	CN 1839115	A 2006092	•	20040826
			KR 2003-59177	A 20030826
			KR 2004-20401	A 20040325
			KR 2004-54886	A 20040714
			WO 2004-KR2143	W 20040826
	US 2006252834	A1 2006110		20060615
	•			A 20030826
	•			A 20040325
			KR 2004-54886	A 20040714
			WO 2004-KR2143	W 20040826
os	MARPAT 142:279954			

$$R^{3} \stackrel{R^{4}}{\underset{O}{|}} OH \qquad Q^{1} = R^{5}$$

$$R^{1}R^{2} \stackrel{R^{4}}{\underset{O}{|}} OH \qquad R^{6}$$

AB Title compds. [I; R1 = adamantyl, Q1; R5, R6 = H, alkyl, cycloalkyl; R2 = CONH, NHCO, CONR7, NR7CO; R7 = alkyl; R3 = (CH)n; n = 0, 1; R4 = H, alkyl], were prepared Thus, 4-(phenylcarbonylamino)benzoic acid (preparation

given) in pyridine at 10° was treated dropwise with Et chloroformate followed by stirring for 2 h at room temperature to give the anhydride. This was added to NH2OH.HCl in pyridine at 10° followed by stirring for 30 min. to give 65% N-[4-(N-hydroxycarbamoyl)phenyl]benzam ide. The latter reduced collagenase expression in vitro to 78% of controls, vs. 85% for retinol.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L5 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Structure-activity relationships by mass spectrometry: identification of novel MMP-3 inhibitors
- AN 2003:1000679 CAPLUS
- DN 140:246111
- TI Structure-activity relationships by mass spectrometry: identification of novel MMP-3 inhibitors
- AU Ockey, Denise A.; Dotson, Jenna L.; Struble, Martin E.; Stults, John T.; Bourell, James H.; Clark, Kevin R.; Gadek, Thomas R.
- CS Department of Bioorganic Chemistry, Genentech Inc., South San Francisco, CA, 94080, USA
- SO Bioorganic & Medicinal Chemistry (2004), 12(1), 37-44 CODEN: BMECEP; ISSN: 0968-0896
- PB Elsevier Ltd.
- DT Journal
- LA English
- OS CASREACT 140:246111
- A novel class of nonpeptide inhibitors of stromelysin (MMP-3) has been AΒ discovered with the use of mass spectrometry. The method relies on the development of structure-activity relationships by mass spectrometry (SAR by MS) and utilizes information derived from the binding of known inhibitors to identify novel inhibitors of a target protein with a min. of synthetic effort. Noncovalent complexes of known inhibitors with a target protein are analyzed; these inhibitors are deconstructed into sets of fragments which compete for common or overlapping binding sites on the target protein. The binding of each fragment set can be studied independently. With the use of competition studies, novel members of each fragment set are identified from compound libraries that bind to the same site on the target protein. A novel inhibitor of the target protein was then constructed by chemical linking a combination of members of each fragment set in a manner guided by the proximity and orientation of the fragments derived from the known inhibitors. In the case of stromelysin, a novel inhibitor composed of favorably linked fragments was observed to form a 1:1 complex with stromelysin. Compds. that were not linked appropriately formed higher order complexes with stoichiometries of 2:1 or greater. These linked mols. were subsequently assessed for their ability to block stromelysin function in a chromogenic substrate assay.
- RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L5 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Identification of noncovalent complexes by mass spectrometry, and use in identifying drug leads
- AN 2002:889446 CAPLUS
- DN 137:363032
- TI Identification of noncovalent complexes by mass spectrometry, and use in identifying drug leads
- IN Gadek, Thomas R.; Ockey, Denise
- PA USA
- SO U.S. Pat. Appl. Publ., 29 pp. CODEN: USXXCO
- DT Patent
- LA English
- FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 2002172967	A1	20021121	US 2002-73077 US 2001-268556P P	20020212 20010213	

- AB Methods are disclosed for identifying drug leads or binding compds. that have an affinity for a target mol. involving screening known drug fragment mols. and derivs. thereof, preferably using mass spectrometry.
- L5 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Preparation of arylhydroxamates and related compounds as potent inducers of terminal differentiation.
- AN 1998:8261 CAPLUS
- DN 128:75197
- TI Preparation of arylhydroxamates and related compounds as potent inducers of terminal differentiation.
- IN Breslow, Ronald; Marks, Paul A.; Rifkind, Richard A.
- PA Sloan-Kettering Institute for Cancer Research, USA
- SO U.S., 24 pp., Cont.-in-part of U.S. 5,369,108. CODEN: USXXAM
- DT Patent
- LA English
- FAN. CNT 3

	CNT PAT	3 TENT NO.			KINI		DATE		API	PLICAT	ION NO.		DATE
ΡI	US	5700811			A	_	1997		US	1994-	246363		19940519 19911004
									US	1991-	771760	A2	19911004
	US	5369108			A A2		1994	1129	US	1991-	771760		19911004
	HU	67421			A2		1995	0428	HU	1994-	959		19921005 19911004 19921005
					•				US	1991-	771760	Α	19911004
	ΑT	183185			T		1999	0815	AT	1992-	922033		19921005
									US	1991-	771760	Α	19911004
	ES	2134815	-		Т3		1999	1016			922033		19921005
									US	1991-	771760		19911004
	JP	20032266	80		Α		2003	0812	·JP	2002-	337049		19921005
													19911004
									JP	1993-	507109	A3	19921005
	US	5932616			Α		1999	0803	US	1994-	222685		19940404
									US	1991-	771760	A3	19911004 19950519
	CA	2190765			A1		1995	1130	CA	1995-	2190765		19950519
													19940519
	WO	9531977			A 1		1995	1130	WO	1995-	US6554		19950519
		W: AU,											
		RW: AT,	BE,	CH,	DE,	DK,	ES,	FR,					L, PT, SE
									US	1994-	246363.	Α	19940519
	AU	9526474			Α		1995	1218	AU	1995-	26474		19950519
	AU	692561			В2		1998	0611					
									US	1994-	246363	Α	19940519
									WO	1995-	US6554	W	19950519 19950519
	EP	760657			A 1		1997	0312	EP	1995-	921378		19950519
		760657											
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									WO	1995-	US6554	W	19950519
	ΑT	253906			${f T}$		2003	1115	AT	1995-	921378		19950519
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	ΑU	9662063			A B2		1996	1017	AU	1996-	62063		19960813
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		•							US	1991-	771760	Α	19911004
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE							
ΡĮ	W0 9307148 W: AU, CA, FI,	• A1	19930415	WO 1992-US8454	19921005							
	RW: AT, BE, CH,	DE, DK,	ES, FR,	GB, GR, IE, IT, LU, MC, NI								
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	AU 9228703	A A B2	19930503	US 1991-771760 AU 1992-28703	19921005							
	AU 668696	В2	19960516	US 1991-771760 A WO 1992-US8454 A EP 1992-922033 GB, GR, IE, IT, LI, LU, MG	10011004							
				US 1991-//1/60 A	19911004							
	FD 642500	a 1	10050315	WO 1992-050454 A	19921005							
	EP 642509	B1	19990811	HI 1992 922033								
	R: AT, BE, CH,	DE, DK,	ES, FR,	GB, GR, IE, IT, LI, LU, MG	C, NL, SE							
				US 1991-771760 A WO 1992-US8454 W JP 1993-507109	19911004							
				WO 1992-US8454 W	19921005							
-	JP 07502494 JP 3432823	T B2	19950316 20030804	JP 1993-507109	19921005							
	01 0132023	22	20000001	US 1991-771760 A	19911004							
				WO 1992-US8454 W	19921005							
	HU 67421	A2	19950428	110 1001	17721000							
					19911004							
	RU 2128643	C1	19990410		19921005							
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	7 m 102105	Т	10000015		19921005 19921005							
	AT 183185	Т	19990815		19921003							
	ES 2134815	πЗ	19991016	ES 1992-922033	19921005							
	ED 2131313	10	13331010		19911004							
	JP 2003226680	Α	20030812		19921005							
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	CA 2120619	С	20061121	CA 1992-2120619	19921005							
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	FI 9401537	Α	19940531		19940331							
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				WO 1992-US8454 W	19921005							
	US 5932616	Α	19990803		19940404							
		•			19911004							
	AU 9662063 AU 708115	A B2	19961017 19990729		19960813							
	A0 /00113	DZ	19330123		19911004							
	us 6087367	А	20000711		19990518							
					19911004							
				US 1994-222685 A1	19940404							
	US 38506	E1	20040420		20011102							
				US 1991-771760 A5	19911004							
FAN	1996:181546 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE							
PI	WO 9531977 W: AU, CA, JP,	A1 MY	19951130	WO 1995-US6554	19950519							
			, ES, FR,	GB, GR, IE, IT, LU, MC, N US 1994-246363 A								

US	5700811			Α	1997	1223	US	1994-	246363		19940519	
						•	US	1991-	771760	A2	19911004	
ΑU	9526474			Α	1995	1218	AU	1995-	26474		19950519	
ΑU	692561			В2	19980	0611						
							US	1994-	246363	A.	19940519	
							WO	1995-1	US6554	W	19950519	
ΕP	760657			A 1	19970	0312	EP	1995-	921378		19950519	
EΡ	760657			В1	20031	1112						
	R: AT,	ΒĒ,	CH,	DE,	DK, ES,	FR,	GB, GI	R, IE,	IT, LI,	LU, MO	C, NL, PT,	SE
							US	1994-	246363	Α	19940519	
							WO	1995-	US6554	W	19950519	
AT	253906			T	2003	1115	AT	1995-	921378		19950519	
							US	1994-	246363	Α	19940519	•
							WO	1995-	US6554	W	19950519	
MAI	MARPAT 128:75197											

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R1CO(CH2)nCOR2 [R1 = R2 = (substituted) arylamino, cycloalkylamino, AΒ pyridineamino, piperidino, 9-purine-6-amino, thiazoleamino; or R1 ≠ R2 and R1 = NR3R4; R3, R4 = H, OH, (substituted) alkyl, alkenyl, cycloalkyl, aryl, alkoxy, aryloxy, aralkoxy, pyridyl; R3R4N = piperidino; n = 4-8; R2 = hydroxylamino, OH, amino, alkoxy, and related compds., were prepared Thus, 3-HONHCOC6H4CH: CHCONHOH (prepared by reaction of H2NOSiMe3 with the corresponding diacid dichloride) induced terminal differentiation with an optimal concentrate of 4 μM with 73% benzidine reactive cells.

- ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN L5
- ΤI Preparation of alkanedicarboxylic acid amides as novel potent inducers of terminal differentiation of neoplastic cell
- AN 1996:181546 CAPLUS
- DN 124:260602
- Preparation of alkanedicarboxylic acid amides as novel potent inducers of ΤI terminal differentiation of neoplastic cell
- Breslow, Ronald; Marks, Paul A.; Rifkind, Richard A. IN
- PA Sloan-Kettering Institute for Cancer Research, USA; Trustees of Columbia University in the City of New York
- PCT Int. Appl., 98 pp. SO CODEN: PIXXD2
- DTPatent
- LΑ English

FAN.CNT 3

	PA'	TENT 1	10.	•		KINI	D	DATE		API	PLICAT	ION 1	NO.		DA	TE	
PI	WO	WO 9531977 W: AU, CA, JP					WO	1995-	US65	54		19	19950519				
							DK.	ES.	FR.	GB, GI	R. IE.	IT.	LU,	MC,	NL.	PT. S	SE
			,	,	,		•		•		1994-						
	US	57008	811			Α		1997	1223	US	1994-	2463	63		19	94051	L9 ·
										US	1991-	7717	60	A	2 19	91100)4
	AU	9526	474			Α		1995	1218	AU	1995-	2647	4		19	95051	L9
	AU	6925	61			B2		1998	0611								
											1994-						
											1995-						
	EP	7606	57			A1		1997	0312	EP	1995-	9213	78 ·		19	95051	L9
	EP	7606						2003									
		R:	ΑT,	BE,	CH,	DE,	DK,	, ES,	FR,	GB, G							
											1994-						
											1995-						
	AT	2539	06			T		2003	1115		1995-						
				•							1994-					9405	
										WO	1995-	US65	54	W	17	9505.	19
PATI FAN		FAMIL 93:53			ATTO	N:											
		TENT						DATE	}	AP	PLICAT	NOI	NO.		DA	ATE	
							_										

PI	WO	930714 W: A	λU,	CA,	FI,	HU,	JP,	KR,	NO,	RU		1992-US8454			19921005
		RW: A	ΛΤ,	BE,	CH,	DE,	DK,	ES,	FR,			R, IE, IT, LU,			
		F26010	٠.					1004	1100	U	5	1991-771760	Α		
		536910 922870				A.		1002	1177	ν. Ο		1991-771760 1992-28703			19911004 19921005
		668696				R2		1996	0503 0516	А	.U	1992-20703			19921005
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OS MARPAT 124:260602

Alkanedicarboxylic acid amides R1CO(CH2)nCOR2 [I; wherein each of R1 and · AB R2 are independently the same or different from each other; R1 and R2 are the same, each is a substituted or unsubstituted arylamino, cycloalkylamino, pyridineamino, piperidino, 9-purine-6-amine, or thiazoleamino group; when R1 and R2 are different, R1 = R3-NR4, wherein each of R3 and R4 are independently the same as or different from each other and are H, HO, (un) substituted, branched or unbranched alkyl, alkenyl, cycloalkyl, aryl, alkyloxy, aryloxy, arylalkyloxy, or pyridine group, or R3 and R4 bond together to form a piperidine group and R2 is a hydroxylamino, HO, NH2, alkylamino, dialkylamino or alkyloxy group; n = an integer from about 4-8], which inhibit proliferation of such cells and are useful for treating a patient having a tumor characterized by proliferation of neoplastic cells, are prepared Thus, chlorination of suberic acid monomethyl ester with oxalyl chloride benzene containing DMF to suberoyl chloride followed by condensation with O-benzylhydroxylamine in pyridine/CHCl3 at room temperature overnight gave 89% PhCH2ONHCO(CH2)6CO2Me. Hydrogenolysis of the latter compound in the presence of 5% Pd-C under .apprx.50 psi H atmospheric to HONHC(O)(CH2)6CO2Me followed by saponification with KOH in

aqueous MeOH under reflux for 2 h and acidification with concentrated HCl gave HONHC(O)(CH2)6CO2H. PhONHC(O)(CH2)6C(O)NHOH at 3 µM in vitro induced the differentiation of MELC cells and HL-60 human leukemia cells by 21 and 65%, resp.

L5 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

TI Alkanedioic acid derivatives, novel potent inducers of terminal differentiation and methods of use thereof

AN 1993:538765 CAPLUS

DN 119:138765

TI Alkanedioic acid derivatives, novel potent inducers of terminal differentiation and methods of use thereof

Breslow, Ronald; Marks, Paul A.; Rifkind, Richard A.; Jursic, Branko Sloan-Kettering Institute for Cancer Research, USA; Columbia University IN

PA

PCT Int. Appl., 80 pp. so CODEN: PIXXD2

DTPatent English LA

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Alkylene bisamides and monoamides R1CO(CH2)nCOR2 [R1 = R2 = (un)substituted arylamino, cycloalkylamino, pyridylamino, piperidino, 9-purine-6-amino, thiazolylamino; R1 = R3R4N, where R3 = H, OH, (un)substituted alkyl, alkenyl, cycloalkyl, aryl, alkyloxy, aryloxy, arylalkyloxy, pyridyl or R3R4N = piperidino; R2 = hydroxyamino, hydroxy, amino, alkylamino, dialkylamino, alkyloxy; n = 4-8] were prepared for selectively inducing terminal differentiation of neoplastic cells and thereby inhibiting their proliferation (data tabulated). Thus, a pyridine solution of H2NOCH2Ph, H2NOMe, and suberoyl chloride was stirred overnight at room temperature. The product was treated with 10% HCl in HCCl3-MeOH and hydrogenated over 5% Pd/C to give HONHCO(CH2)6CONHOMe.

=> 19/thu

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=> e 1,4-Benzenedicarboxamide, N-(4-ethylphenyl)-N'-hydroxy-/cn MISMATCHED QUOTE IN EXPAND TERM Quotation marks (or apostrophes) must be used in pairs, one before and one after the expression you are setting off or masking.

=> e 1,4-Ber	nzenedi	carboxamide, N-(4-ethylphenyl)-N-hydroxy-/cn
E1	1	1,4-BENZENEDICARBOXAMIDE, N-(4-ETHYLPHENYL)-N'-HYDROXY-/CN
E2	1	1,4-BENZENEDICARBOXAMIDE, N-(4-ETHYLPHENYL)-N'-HYDROXY-N-MET
		HYL-/CN
E3	0>	1,4-BENZENEDICARBOXAMIDE, N-(4-ETHYLPHENYL)-N-HYDROXY-/CN
E4	1	1,4-BENZENEDICARBOXAMIDE, N-(4-METHYL-3-((5-(3-PYRIDINYL)-2-
		OXAZOLYL) AMINO) PHENYL) -/CN
E5	1	1,4-BENZENEDICARBOXAMIDE, N-(4-METHYL-5-((((1S,2S)-2-(PHENYL
•		METHOXY) CYCLOPENTYL) AMINO) CARBONYL) -2-THIAZOLYL) -/CN
E6	1	1,4-BENZENEDICARBOXAMIDE, N-(49-((3AS,4S,6AR)-HEXAHYDRO-2-OX
	_	O-1H-THIENO(3,4-D)IMIDAZOL-4-YL)-31,38,45-TRIOXO-3,6,9,12,15
		,18,21,24,27-NONAOXA-30,37,44-TRIAZANONATETRACONT-1-YL)-N'-(
		4-METHYL-3-((4-(3-PY/CN
E7	2	1,4-BENZENEDICARBOXAMIDE, N-(5-(((3,5-BIS(1,1-DIMETHYLETHYL)
	_	-4-HYDROXYPHENYL) ACETYL) AMINO) -1-((OCTAHYDRO-2-(((3,3,3-TRIF
		LUORO-1-(1-METHYLETHYL)-2-OXOPROPYL) AMINO) CARBONYL)-1H-INDOL
		-1-YL) CARBONYL) PENTY/CN
E8	1	1,4-BENZENEDICARBOXAMIDE, N-(5-(((5-(((2-CYANOETHYL)AMINO)CA
		RBONYL) -1-METHYL-1H-PYRROL-3-YL) AMINO) CARBONYL) -1-METHYL-1H-
		PYRROL-3-YL) -N'-(4-(((4-((3-CYANO-1-OXOPROPYL)AMINO)-1-METHY
		L-1H-PYRROL-2-YL) CAR/CN
E9	2	1,4-BENZENEDICARBOXAMIDE, N-(5-((4-((3,5-BIS(1,1-DIMETHYLETH
	_	YL) -4-HYDROXYPHENYL) THIO) -1-OXOBUTYL) AMINO) -1- ((OCTAHYDRO-2-
		(((3,3,3-TRIFLUORO-1-(1-METHYLETHYL)-2-OXOPROPYL)AMINO)CARBO
		NYL)-1H-INDOL-1-YL)C/CN
E10	1	1,4-BENZENEDICARBOXAMIDE, N-(5-(2,2-DIMETHYL-1-OXOPROPYL)-1,
	_	4,5,6-TETRAHYDRO-6,6-DIMETHYLPYRROLO(3,4-C)PYRAZOL-3-YL)-/CN
E11	1	1,4-BENZENEDICARBOXAMIDE, N-(5-(3,5-DICHLORO-2-HYDROXYPHENYL
	-)-1,3,4-THIADIAZOL-2-YL)-N'-(2,5-DIFLUOROPHENYL)-/CN
E12	1	1,4-BENZENEDICARBOXAMIDE, N-(5-(3,5-DICHLORO-2-HYDROXYPHENYL
	-)-1,3,4-THIADIAZOL-2-YL)-N'-(2-METHOXY-5-NITROPHENYL)-/CN
		, _, _, , , _ , _ , _ , _ ,

=> e1 L6

1 "1,4-BENZENEDICARBOXAMIDE, N-(4-ETHYLPHENYL)-N'-HYDROXY-"/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 847250-13-9 REGISTRY.

ED Entered STN: 25 Mar 2005

CN 1,4-Benzenedicarboxamide, N-(4-ethylphenyl)-N'-hydroxy- (9CI)

(CA INDEX NAME)

MF C16 H16 N2 O3

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L7

1 L6

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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:182616 CAPLUS

DN 142:279954

TI Preparation of arylhydroxamates as elastase and collagenase expression inhibitors for preventing skin aging.

IN Rho, Ho Sik; Baek, Heung Soo; Kim, Su Jong; Kim, Su Nam; Chae, Byung Geun; Lee, Byoung Seok; Kim, Bae Hwan; Choi, Gyu Ho; Son, Eui Dong; Lee, Hae Kwang; Lee, Hye Won; Cho, Jun-cheol; Kim, Duck Hee; Chang, Ih Seop; Lee, Ok Sub

PA Amorepacific Corporation, S. Korea

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

IAU.	PATENT NO.						D	DATE		APPLICATION NO.						DATE			
ΡI	WO	2005	0191	62	•				WO 2004-KR2143										
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		RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	
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			EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	
			SI,	SK,	TR,	BF,	BJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	
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